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Application and amount of the contract of the
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UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorney Docket No. 4041K-000159

First Inventor Takanori TAKEDA et al

Title Direct Gas Burner Type Furnace

Express Mail Label No. EL 623 313 476 US

Title (Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Express Mail Label No. EL 623 313 476 US Mail Stop Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 1. 🛛 Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) з. 🔯 Specification Total Pages a. \(\propto\) Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention Specification i. CD-ROM or CD-R (2 copies); or - Cross References to Related Applications filed in English ii. 🔲 paper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix **ACCOMPANYING APPLICATIONS PARTS** - Background of the Invention - Brief Summary of the Invention 9. 🛛 Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings (if filed) 10. 37 C.F.R.§3.73(b) Statement ☐ Power of - Detailed Description (when there is an assignee) Attorney - Claim(s) - Abstract of the Disclosure 11. English Translation Document (if applicable) 4. Drawing(s) (35 U.S.C.113) [Total Sheets 12. 🛛 Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 5. Oath or Declaration [Total Pages ] 13.  $\square$ Preliminary Amendment a. Newly executed (original or copy) 14. 🛛 Return Receipt Postcard (MPEP 503) b. Copy from a prior application (37 CFR 1.63 (d)) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🛛 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 16. Request and Non Publication under 35 U.S.C. 122 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: ☐ Continuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_ Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 27572 or 

Correspondence address below Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) Harness, Dickey & Pierce, P.L.C. Name P.O. Box 828 Address City **Bloomfield Hills** State 48303 Zip Code Country United States of America Telephone 248-641-1600 Fax 248-641-0270 Name (Print/Type) H. Keith Miller, Esq Registration No. (Attorney/Agent) 22,484 Signature Date October 17, 2003



PTO/SB/17 (01-03)
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FFF TD ANCMITT AL	Complete if Known					
FEE TRANSMITTAL	Application Number	unassigned yet				
for FY 2004	Filing Date	October 17, 2003				
Detect for an unbigate annual muitien	First Named Inventor	Takanori TAKEDA				
Patent fees are subject to annual revision.	Examiner Name					
☐ Applicant claims small entity status. See 37 CFR 1.27	Group / Art Unit					
TOTAL AMOUNT OF PAYMENT (\$) 810	Attorney Docket No.	4041K-000159				

		(*)		Augine	o, 200	Ct 140.	1			
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)						
				3. ADD	ITIONA	L FEES				
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None Order				Large	Entity	Small E	intity			
☐ Deposit Acco	unt:			Fee	Fee	Fee	Fee	Eco Decembrica	Fee Paid	
Deposit				Code	(\$)	Code	(\$)	·	ree raid	
Account	08-0750			1051	130	2051	65	Surcharge - late filing fee or oath		
Number 1			1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.			
Deposit				1053	130	1053	130	Non-English specification		
Account	Harness, Dickey & Pierce, P.L.C.			1812	2,520	1812	2,520	For filing a request for reexamination		
Name The Commission	ner is authorized to: (che	eck all that apply)		1804	920°	1804	920*	Requesting publication of SIR prior to Examiner action		
☐ Charge fee(s) indicated below ☒ Credit any overpayments ☒ Charge any additional fee(s) during the pendency of this application				1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
☐ Charge fee(s)	indicated below, except t			1251	110	2251	55	Extension for reply within first month		
to the above-iden	tified deposit account.			1252	420	2252	210	Extension for reply within second		
	FEE CALCULAT	TION						month		
1. BASIC FI	ING FEE		***	1253	950	2253	475	Extension for reply within third month		
Large Entity Small Entity				1254	1,480	2254	740	Extension for reply within fourth month		
	Fee Fee <u>Fee Desc</u> Code (\$)	Fee Paid		1255	2,010	2255	1,005	Extension for reply within fifth month		
	2001 385 Utility filin		٦.	1401	330	2401	165	Notice of Appeal		
	2002 170 Design file	· ——	┪	1402	330	2402	165	Filing a brief in support of an appeal		
	2003 265 Plant filing		+	1403	290	2403	145	Request for oral hearing		
1004 770	2004 385 Reissue f	iling fee	1	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
1005 160	1005 160 2005 80 Provisional filling fee		J	1452	110	2452	55	Petition to revive – unavoidable	<b>——</b>	
SUBTOTAL (1) (\$) 770				1453	1,330	2453	665	Petition to revive – unintentional		
SOBIOTAL (1) (3) 770				1501	1,330	2501	665	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES				1502	480	2502	240	Design issue fee		
Extra Fee from Fee				1503	640	2503	320	Plant issue fee		
Total Claims 4	-20 ** = 0	below Paid	٦ .	1460	130	1460	130	Petitions to the Commissioner		
Independent	= = = = = = = = = = = = = = = = = = = =		╡	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		
Claims 1	-3 ** = 0	X = 0		1806	180	1806	180	Submission of Information Disclosure Stmt		
Multiple Dependent		X = 0						Recording each patent assignment		
Large Entity   Small Entity				8021	40	8021	40	per property (times number of properties)	40	
Fee Fee Code (\$)	Fee Fee Fee I	<u>Description</u>		1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))		
1202 18	2202 9 Clain	ns in excess of 20		1810	770	2810	385	For each additional invention to be		
1201 86	2201 43 Indep	pendent claims in excess of 3						examined (37 CFR § 1.129(b))		
1203 290	2203 145 Multi	ple dependent claim, if not pa	id	1801	770	2801	385	Request for Continued Examination (RCE)		
1204 86		eissue independent claims ove nal patent	er	1802	900	1802	900	Request for expedited examination		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		of a design application								
· Over original paterit			Other fe	e (speci	fy)					
	SUBTOTAL	L (2) (\$) O					_			
			*Reduc	ed by Ba	asic Filing	Fee Pa	sid SUBTOTAL (3) (\$) 40			
or number pre	**or number previously paid, if greater; For Reissues, see above									

SUBMITTED BY			<del> </del>			
_^	Name (Print/Type)	H. Keith Miller Esq. Registration No. Attomey/Agent)	22,484	Telephone	248-641-1600	
S	Signature	Deller		Date	October 17, 2003	